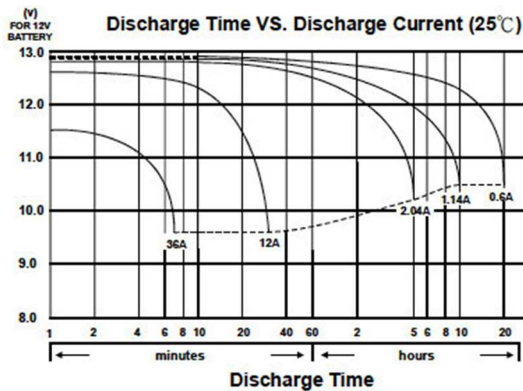
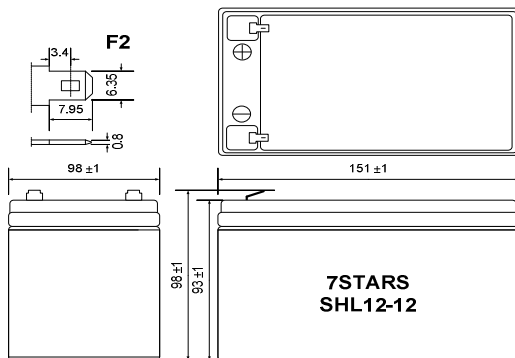


VALVE REGULATED LEAD ACID BATTERIES – AGM



Nominal Voltage Type 12 V
AGM VRLA

Nominal Capacity
20 hours rate 12Ah
10 hours rate 11.4Ah
1C 6.4Ah
3C 4.2Ah

Weight 3.7kg

Internal Resistance 13mΩ@1kHz

Maximum Discharge Current for
5 sec. 180A
Short Circuit 360A

Operating Temperature Range
Charge -15°C ÷ 40°C
Discharge -15°C ÷ 50°C
Storage -15°C ÷ 40°C

Charge Retention (shelf life) at 20°C

1 month 92%
3 months 90%
6 months 80%

Charging Methods at 20°C

Max. Charging Current 3.6A
Charging Voltage 14.4 ÷ 15.0V
Cycle use: 13.5 ÷ 13.8V
Standby use: -5.0/-3.0 mV/°C/cell
Thermal Coeff. Cycle/St.By

Life expectancy

Cycle Use
100% depth of discharge 200 cycles
50% depth of discharge 500 cycles
30% depth of discharge 1000 cycles
Standby Use 10/12 years Long Life (EUROBAT)

Case Material ABS UL94 HB

Terminal F2 (wide)

Standards and Certifications: CE, IEC 62056-1, IEC 60896-21-1, IEC 60896-22-1, IEC 61000-6-1, IEC 61000-6-3

Constant Power Discharge Characteristics (25°C) [Watt]

Cut Off	Time										
	5'	10'	15'	30'	1H	2H	3H	4H	5H	10H	20H
11.1V	406	288	232	133	95	51,8	33,9	28,7	23,8	14,0	7,14
10.8V	451	315	246	142	98	53,5	35,2	29,3	24,5	14,4	7,26
10.5V	485	329	256	148	100	54,2	36,3	29,8	25,1	14,6	7,50
10.2V	520	344	265	152	102	54,8	37,2	30,4	25,8	14,8	7,56
10.0V	536	349	267	154	103	55,1	37,6	30,7	26,0	14,9	7,68
9.9V	551	357	272	155	104	55,4	38,1	31,2	26,3	15,0	7,74
9.6V	582	366	280	158	105	55,9	38,5	31,6	26,9	15,1	7,92

Due to continuous product improvement, the design and specifications are subject to change without prior notice.